

Project Information Form, climate change and GHG worksheets



Featherriver.org

UPPER FEATHER RIVER IRWM CONCEPTUAL PROJECT SUMMARY FORM

CONCEPTUAL PROJECT SUMMARY FORM – STEP 1

Purpose

The Upper Feather River (UFR) Regional Water Management Group (RWMG) is a group of local agencies and non-governmental organizations located in the Upper Feather River Watershed. This organization has been working together since 2009 under a Memorandum of Understanding to foster collaboration regarding the region's most pressing water resources issues. To help guide planning activities, the RWMG is in the process of updating the Upper Feather River Integrated Regional Water Management (IRWM) Plan to meet current Proposition 84 standards.

The RWMG is soliciting projects for the purpose of developing a list of implementation projects for inclusion in the IRWM Plan Update. Collectively, these projects will seek to address regionally adopted Goals and Objectives that are outlined in the IRWM Plan, address California Water Plan Resource Management Strategies (RMS), and Department of Water Resources' priorities for projects. Completion of this Conceptual Project Summary Form is Step 1 for submitting a project for consideration.

Completion of this Conceptual Project Summary Form is the first step in the project development process; it is **NOT** a grant application nor is it a full IRWM project solicitation submittal. Conceptual Project submissions will be screened by the RWMG for minimum project eligibility requirements and feedback provided to project proponents for consideration in preparing the next step, which is the IRWM Project Information Form. The Conceptual Project Information Form must be submitted as the initial step in the project development process.

Instructions for Submittal and Next Steps

You may complete this form in bullet format, short sentences, or fragments; however, keep in mind that you will want to rewrite the information in a narrative format for the next phase of project development and application, the IRWM Project Information Form. An **IRWM Project Development Manual** can be found at <http://featherriver.org/documents/>, which provides additional guidance in completing the information requested. It is highly recommended that project proponents read through the Manual prior to preparing the Project Template; it includes many helpful tips and examples.

Forms must be submitted in original **MS Word format** to UFR.contact@gmail.com by **June 1, 2015 at 5:00 p.m.**. The RWMG will perform an initial vetting for minimum qualifications and possible multiple benefit collaborations. If determined to be adequately in-line with objectives of the IRWM Plan and DWR's Proposition 84 Guidelines, the RWMG will provide feedback to the project proponent for consideration in preparing the IRWM Project Information Form (Step 2).

Timeline	Date/Time
Release of Conceptual Project Summary and IRWM Project Information Forms	April 7, 2015
Project Solicitation Public Meetings	Early May (TBA)
Deadline for Conceptual Project Summary Form Submittal ONLY	June 1, 2015, 5:00 p.m.
Feedback to Project Proponents	Mid-June
Deadline for IRWM Project Information Form Submittal	August 3, 2015, 5:00 p.m.

It is often helpful to see examples of project submittals. To view applications that were submitted by various IRWM regions for DWR's Drought Grant Solicitation, see the following link: http://water.ca.gov/irwm/grants/docs/Archives/Prop84/Submitted_Applications/P84_2014Drought/.

Eligibility

Those agencies/organizations that submit projects for consideration **must have formally adopted the Upper Feather River IRWM Program Memorandum of Understanding** in order to be considered for inclusion in the IRWM Plan. However, non-signatory entities may submit projects with an MOU member as a sponsor. Please contact Uma Hinman at UFR.contact@gmail.com with questions.

DWR has specified mandated considerations for inclusion of a project in an IRWM Plan. Please keep these factors in mind and address them specifically as you develop your project:

- a) How the project contributes to the IRWM Plan Objectives (posted on the website: <http://featherriver.org/draft-irwm-plan/>)
- b) How the project is related to resource management strategies selected for use in the IRWM Plan (posted on the website: <http://featherriver.org/draft-irwm-plan/>)
- c) Technical feasibility of the project
- d) Specific benefits to Disadvantaged Community (DAC) water issues
- e) Specific benefits to critical water issues for Native American Tribal communities
- f) Environmental Justice (EJ) considerations
- g) Project costs and financing
- h) Economic feasibility, including water quality and water supply benefits and other expected benefits and costs
- i) Project status
- j) Strategic considerations for IRWM Plan implementation
- k) Contribution of the project in adapting to the effects of climate change in the region
- l) Contribution of the project in reducing GHG emissions as compared to project alternative

Not sure your project is within the Upper Feather River IRWM Region? You can check the Region map at <http://featherriver.org/maps/>.

NOTE: Participation information, upcoming meeting dates, and Plan Update documents can be obtained from our website at <http://featherriver.org>.

Project Summary Form	
Agency/Organization Name of Primary Contact Mailing Address Email Phone	
Summary of the purpose and need for the project : The problem statement	
Description of the project: Include an overview of the status of the project [e.g., conceptual, needs design and engineering, is fully engineered and ready to proceed, etc.]; a description of project components (e.g., miles of pipe, size and number of tanks or pumps, restoration of a wetland with associated removal of invasive species, etc.); phasing of the project (if this is part of a larger project or if the project will be implemented in sequential phases)	
General tasks that will be completed: (e.g., finalize design, complete engineering, finalize costs and schedule, develop bid documents, select contractors, begin construction)	
Predicted outcomes (or project-specific objectives) of the project: Number of miles of pipeline replaced, number of new pumps or tanks installed, number of gallons of water saved, acres restored, etc.	
Data or studies that document both the need for the project and the technical feasibility of the project: List all documents that you have, whether they were created by/for your entity or not, which substantiate both the need for the project and confirm that the project you proposed is technically feasible	
Budget: Statement of total budget amount and available	

match funds (if any – may be waived for a DAC)	
Schedule: Overall duration of the work effort with a few key milestones identified.	
Are you ready to proceed with preparing the IRWM Project Information Form?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Has your agency/organization signed, or intend to sign, the Memorandum of Understanding for the Upper Feather River IRWM Plan Update? Note: All project proponents submitting projects for inclusion in the Plan must be signatories to the MOU and adopt the UFR IRWM Plan upon completion.	<input type="checkbox"/> Yes <input type="checkbox"/> No



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UPPER FEATHER RIVER IRWM PROJECT INFORMATION FORM

PROJECT SOLICITATION INSTRUCTIONS – STEP 2

The Upper Feather River IRWM Regional Water Management Group (RWMG) is accepting projects to be considered for inclusion in the IRWM Plan Update, which is currently in progress. In order for your project(s) to be considered for inclusion, you must first complete the Conceptual Project Summary Form (Step 1) and, if the project is determined to meet minimum eligibility requirements, complete this IRWM Project Information Form (Step 2).

Purpose

This solicitation is for projects to be considered for inclusion in the IRWM Plan Update. Projects selected for inclusion in the Plan Update will be eligible for future DWR funding opportunities for IRWM projects. This project solicitation is **not** a grant application.

Background

The Upper Feather River (UFR) Regional Water Management Group (RWMG) is a group of local agencies and non-governmental organizations located in the Upper Feather River Watershed. In 2005, a collaborative effort of water-related agencies in Plumas County resulted in the development of the Upper Feather River Watershed IRWM Plan. In order to remain eligible for future IRWM grant funding, the region submitted a formal application for regional acceptance by the Department of Water Resources (DWR), and in 2009 the Upper Feather IRWM Region was formally recognized and included all or portions of seven counties including Plumas, Sierra, Lassen, Butte, Shasta and Tehama. The next step is to update the 2005 Upper Feather River IRWM Plan to meet new standards per DWR's Proposition 84 Guidelines. Please see the Upper Feather River IRWM website at <http://featherriver.org> for further information about the IRWM Plan Update and history.

Projects developed through this process will be put through a selection and prioritization process for inclusion in the IRWM Plan Update as implementation projects. Collectively, these projects will seek to address adopted goals and objectives for the Upper Feather River IRWM Plan, address California Water Plan Resource Management Strategies (RMS), and Department of Water Resources' IRWM priorities (Attachment 1).

Proposition 84 Guidelines also specify a preference for projects that benefit Disadvantaged Communities (DACs) and projects addressing water conservation to meet a 20 percent reduction by 2020. Further, DWR encourages integrated regional strategies for management of water resources that support multi-benefit water resources planning and implementation projects. Projects must also address goals and objectives adopted for the Upper Feather River IRWM Region (<http://featherriver.org/draft-irwm-plan/>).

SUBMITTAL PROCEDURE

All Project Information Form submissions must be received electronically by **5:00 p.m. on August 3, 2015**. Please submit all project materials electronically to UFR.contact@gmail.com.

The following table identifies the estimated timeline for the UFR IRWM project development:

Timeline	Date/Time
Release of Conceptual Project Summary and IRWM Project Information Forms	April 7, 2015
Project Solicitation Public Meetings	May 5 and 6
Deadline for Conceptual Project Summary Form Submittal ONLY	June 1, 2015, 5:00 p.m.
Feedback to Project Proponents	Mid-June
Deadline for IRWM Project Information Form Submittal	August 3, 2015, 5:00 p.m.

Submittals

Once you have received feedback from the RWMG on the Conceptual Project Summary form submitted by your agency/organization (Step 1), please complete the following IRWM Project Information Form including as much information as you are able, and submit in **MS Word Format**. An **IRWM Project Development Manual** can be found at <http://featherriver.org/documents/>, which provides additional guidance in completing the information requested. It is highly recommended that project proponents read through the Manual prior to preparing the Project Template; it includes many helpful tips and examples.

If you have multiple projects, you must complete a separate form for each project. It is essential for the Regional Water Management Group (RWMG) to have consistent and current information for all projects. This will prove of particular importance when the RWMG goes through the project review and selection processes.

Examples of Successful Project Submittals

It is often helpful to see examples of successful project submittals. To view applications that were submitted by various IRWM regions for DWR's 2014 Drought Grant Solicitation, see the following link: http://water.ca.gov/irwm/grants/docs/Archives/Prop84/Submitted_Applications/P84_2014Drought/

A list of awarded projects can be viewed here:

http://water.ca.gov/irwm/grants/docs/ImplementationGrants/IRWM_84_IG_DroughtRound_IRWM_FinalAwards_ProjectList.pdf.

If assistance is needed with any part of this form, please contact your Workgroup Coordinators:

Workgroup	Coordinator	Email
Agricultural Lands Stewardship	Holly Foster	UFR.agriculture@gmail.com
Floodplains, Meadows, and Waterbodies	Terri Rust	UFR.meadows@gmail.com
Municipal Services	Uma Hinman	UFR.contact@gmail.com
Tribal Advisory Committee	Sherri Norris	UFR.tribal@gmail.com

UPPER FEATHER RIVER IRWM

PROJECT INFORMATION FORM

Please submit by 5:00 p.m. on August 3, 2015, to UFR.contact@gmail.com

Please provide information in the tables below:

I. PROJECT PROPONENT INFORMATION

Agency / Organization	
Name of Primary Contact	
Name of Secondary Contact	
Mailing Address	
E-mail	
Phone	
Other Cooperating Agencies / Organizations / Stakeholders	
Is your agency/organization committed to the project through completion? If not, please explain	

II. GENERAL PROJECT INFORMATION

Project Title	
Project Category	<input type="checkbox"/> Agricultural Land Stewardship <input type="checkbox"/> Floodplains/Meadows/Waterbodies <input type="checkbox"/> Municipal Services <input type="checkbox"/> Tribal Advisory Committee <input type="checkbox"/> Uplands/Forest
Project Description (Briefly describe the project, in 300 words or less)	
Project Location Description (e.g., along the south bank of stream/river between river miles or miles from Towns/intersection and/or address):	
Latitude:	
Longitude:	

III. APPLICABLE IRWM PLAN OBJECTIVES ADDRESSED

For each of the objectives addressed by the project, provide a one to two sentence description of how the project contributes to attaining the objective and how the project outcomes will be quantified. If the project does not address *any* of the IRWM plan objectives, provide a one to two sentence description of how the project relates to a challenge or opportunity of the Region.

Upper Feather River IRWM Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
Restore natural hydrologic functions.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Reduce potential for catastrophic wildland fires in the Region.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Build communication and collaboration among water resources stakeholders in the Region.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Work with DWR to develop strategies and actions for the management, operation, and control of SWP facilities in the Upper Feather River Watershed in order to increase water supply, recreational, and environmental benefits to the Region.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Encourage municipal service providers to participate in regional water management actions that improve water supply and water quality.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Continue to actively engage in FERC relicensing of hydroelectric facilities in the Region.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Address economic challenges of municipal service providers to serve customers.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Protect, restore, and enhance the quality of surface and groundwater resources for all beneficial uses, consistent with the RWQC Basin Plan.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		

Upper Feather River IRWM Objectives:	Will the project address the objective?	Brief explanation of project linkage to selected Objective	Quantification (e.g. acres of streams/wetlands restored or enhanced)
Address water resources and wastewater needs of DACs and Native Americans.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Coordinate management of recharge areas and protect groundwater resources.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Improve coordination of land use and water resources planning.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Maximize agricultural, environmental and municipal water use efficiency.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Effectively address climate change adaptation and/or mitigation in water resources management.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Improve efficiency and reliability of water supply and other water-related infrastructure.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Enhance public awareness and understanding of water management issues and needs.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Address economic challenges of agricultural producers.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		
Work with counties/communities/groups to make sure staff capacity exists for actual administration and implementation of grant funding.	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		

If no objectives are addressed, describe how the project relates to a challenge or opportunity for the Region:

IV. PROJECT IMPACTS AND BENEFITS

Please provide a summary of the expected project benefits and impacts in the table below or check N/A if not applicable; **do not leave a blank cell**. Note that DWR encourages multi-benefit projects.

If applicable, describe benefits or impacts of the project with respect to:		
a. Native American Tribal Communities	<input type="checkbox"/> N/A	
b. Disadvantaged Communities ¹	<input type="checkbox"/> N/A	
c. Environmental Justice ²	<input type="checkbox"/> N/A	
d. Drought Preparedness	<input type="checkbox"/> N/A	
e. Assist the region in adapting to effects of climate change ³	<input type="checkbox"/> N/A	
f. Generation or reduction of greenhouse gas emissions (e.g. green technology)	<input type="checkbox"/> N/A	
g. Other expected impacts or benefits that are not already mentioned elsewhere	<input type="checkbox"/> N/A	

¹ A Disadvantaged Community is defined as a community with an annual median household (MHI) income that is less than 80 percent of the Statewide annual MHI. DWR's DAC mapping is available on the UFR website (<http://featherriver.org/maps/>).

² Environmental Justice is defined as the fair treatment of people of all races, cultures, and incomes with respect to the development, adoption, implementation and enforcement of environmental laws, regulations and policies. An example of environmental justice benefit would be to improve conditions (e.g. water supply, flooding, sanitation) in an area of racial minorities.

³ Climate change effects are likely to include increased flooding, extended drought, and associated secondary effects such as increased wildfire risk, erosion, and sedimentation.

DWR encourages multiple benefit projects which address one or more of the following elements (PRC §75026(a)). Indicate which elements are addressed by your project.

a. Water supply reliability, water conservation, water use efficiency	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	g. Drinking water treatment and distribution	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
b. Stormwater capture, storage, clean-up, treatment, management	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	h. Watershed protection and management	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
c. Removal of invasive non-native species, creation/enhancement of wetlands, acquisition/protection/restoration of open space and watershed lands	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	i. Contaminant and salt removal through reclamation/desalting, other treatment technologies and conveyance of recycled water for distribution to users	<input type="checkbox"/> Yes <input type="checkbox"/> N/A

d. Non-point source pollution reduction, management and monitoring	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	j. Planning and implementation of multipurpose flood management programs	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
e. Groundwater recharge and management projects	<input type="checkbox"/> Yes <input type="checkbox"/> N/A	k. Ecosystem and fisheries restoration and protection	<input type="checkbox"/> Yes <input type="checkbox"/> N/A
f. Water banking, exchange, reclamation, and improvement of water quality	<input type="checkbox"/> Yes <input type="checkbox"/> N/A		

V. RESOURCE MANAGEMENT STRATEGIES

For each resource management strategy (RMS) employed by the project, provide a one to two sentence description in the table below of how the project incorporates the strategy. A description of the RMS can be found in Volume 2 of the 2013 California Water Plan (<http://featherriver.org/2013-california-water-plan-update/>).

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
Reduce Water Demand		
Agricultural Water Use Efficiency	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Urban water use efficiency	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Improve Flood Management		
Flood management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Improve Operational Efficiency and Transfers		
Conveyance – regional/local	<input type="checkbox"/> Yes <input type="checkbox"/> No	
System reoperation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Water transfers	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Increase Water Supply		
Conjunctive management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Precipitation Enhancement	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Municipal recycled water	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Surface storage – regional/local	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Improve Water Quality		
Drinking water treatment and distribution	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Groundwater remediation/aquifer remediation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Matching water quality to water use	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Pollution prevention	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Salt and salinity management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Urban storm water runoff management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Practice Resource Stewardship		
Agricultural land stewardship	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Ecosystem restoration	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Forest management	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Resource Management Strategy	Will the Project incorporate RMS?	Description of how RMS to be employed, if applicable
Land use planning and management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Recharge area protection	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Sediment management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Watershed management	<input type="checkbox"/> Yes <input type="checkbox"/> No	
People and Water		
Economic incentives	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Outreach and engagement	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Water and culture	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Water-dependent recreation	<input type="checkbox"/> Yes <input type="checkbox"/> No	
Wastewater/NPDES	<input type="checkbox"/> Yes <input type="checkbox"/> No	

Other RMS addressed and explanation:

VI. PROJECT COST AND FINANCING

Please provide any estimates of project cost, sources of funding, and operation and maintenance costs, as well as the source of the project cost in the table below.

PROJECT BUDGET					
Project serves a need of a DAC?: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Funding Match Waiver request?: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Category		Requested Grant Amount	Cost Share: Non-State Fund Source* (Funding Match)	Cost Share: Other State Fund Source*	Total Cost
a.	Direct Project Administration				
b.	Land Purchase/Easement				
c.	Planning/Design/Engineering / Environmental				
d.	Construction/Implementation				
e.	Environmental Compliance/Mitigation/Enhancement				

f.	Construction Administration				
g.	Other Costs				
h.	Construction/Implementation Contingency				
i.	Grand Total (Sum rows (a) through (h) for each column)				
j.	Can the Project be phased? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, provide cost breakdown by phases				
		Project Cost	O&M Cost	Description of Phase	
	Phase 1				
	Phase 2				
	Phase 3				
	Phase 4				
k.	Explain how operation and maintenance costs will be financed for the 20-year planning period for project implementation (not grant funded).				
l.	Has a Cost/Benefit analysis been completed?		<input type="checkbox"/> Yes <input type="checkbox"/> No		
m.	Describe what impact there may be if the project is not funded (300 words or less)				
<p>*List all sources of funding.</p> <p>Note: See Project Development Manual, Exhibit B, for assistance in completing this table (http://featherriver.org/documents/).</p>					

VIII. PROJECT STATUS AND SCHEDULE

Please provide a status of the project, level of completion as well as a description of the activities planned for each project stage. If unknown, enter **TBD**.

Project Stage	Check the Current Project Stage	Completed?	Description of Activities in Each Project Stage	Planned/ Actual Start Date (mm/yr)	Planned/ Actual Completion Date (mm/yr)
a. Assessment and Evaluation	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
b. Final Design	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
c. Environmental Documentation (CEQA / NEPA)	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
d. Permitting	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
e. Construction Contracting	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No			

		<input type="checkbox"/> N/A			
f. Construction Implementation	<input type="checkbox"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A			
Provide explanation if more than one project stage is checked as current status					

IX. PROJECT TECHNICAL FEASIBILITY

Please provide any related documents (date, title, author, and page numbers) that describe and confirm the technical feasibility of the project. See www.featherriver.org/catalog/index.php for documents gathered on the UFR Region.

a. List the adopted planning documents the proposed project is consistent with or supported by (e.g. General Plans, UWMPs, GWMPs, Water Master Plan, Habitat Conservation Plans, TMDLs, Basin Plans, etc.).	
b. List technical reports and studies supporting the feasibility of this project.	
c. Concisely describe the scientific basis (e.g. how much research has been conducted) of the proposed project in 300 words or less.	
d. Does the project implement green technology (e.g. alternate forms of energy, recycled materials, LID techniques, etc.).	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If yes, please describe.
e. Are you an Urban Water Supplier¹?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
f. Are you are an Agricultural Water Supplier²?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
g. Is the project related to groundwater?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A If yes, please indicate which groundwater basin.
¹ Urban Water Supplier is defined as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually. ² Agricultural Water Supplier is defined as a water supplier, either publicly or privately owned, providing water to 10,000 or more irrigated acres, excluding the acreage that receives recycled water.	

Upper Feather River IRWMP
Project Assessment - GHG Emissions Analysis

[Type Project Name Here]

GHG Emissions Analysis

Project Construction Emissions

☐ The project requires non-road or off-road engines, equipment, or vehicles to complete. If yes:

Type of Equipment	Maximum Number Per Day	Total 8-Hour Days in Operation	Total MTCO ₂ e
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
Total Emissions			0

☐ The project requires materials to be transported to the project site. If yes:

Total Number of Round Trips	Average Trip Distance (Miles)	Total MTCO ₂ e
		0

☐ The project requires workers to commute to the project site. If yes:

Average Number of Workers	Total Number of Workdays	Average Round Trip Distance Traveled (Miles)	Total MTCO ₂ e
			0

☐ The project is expected to generate GHG emissions for other reasons. If yes, explain:

☐ The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.

Upper Feather River IRWMP
Project Assessment - GHG Emissions Analysis

[Type Project Name Here]

Project Operating Emissions

☐ The project requires energy to operate. If yes:

Annual Energy Needed	Unit	Total MTCO ₂ e
	kWh (Electricity)	0
	Therm (Natural Gas)	0

☐ The project will generate electricity. If yes:

Annual kWh Generated	Total MTCO ₂ e
	0

*A negative value indicates GHG reductions

☐ The project will proactively manage forests to reduce wildfire risk. If yes:

Acres Protected from Wildfire	Total MTCO ₂ e
	0

*A negative value indicates GHG reductions

☐ The project will affect wetland acreage. If yes:

Acres of Protected Wetlands	Total MTCO ₂ e
	0

*A negative value indicates GHG reductions

☐ The project will include new trees. If yes:

Acres of Trees Planted	Total MTCO ₂ e
0	0

*A negative value indicates GHG reductions

☐ Project operations are expected to generate or reduce GHG emissions for other reasons. If yes, explain:

GHG Emissions Summary

Construction and development will generate approximately:	0 MTCO ₂ e
In a given year, operation of the project will result in:	0 MTCO ₂ e

Climate Change – Project Assessment Checklist

This climate change project assessment tool allows project applicants and the planning team to assess project consistency with Proposition 84 plan standards and RWMG plan assessment standards. The tool is a written checklist that asks GHG emissions and adaptation/resiliency questions.

Name of project: _____

Project applicant: _____

GHG Emissions Assessment

Project Construction Emissions

(If you check any of the boxes, please see the attached worksheet)

- ☐ The project requires nonroad or off-road engines, equipment, or vehicles to complete.
- ☐ The project requires materials to be transported to the project site.
- ☐ The project requires workers to commute to the project site.
- ☐ The project is expected to generate GHG emissions for other reasons.
- ☐ The project does not have a construction phase and/or is not expected to generate GHG emissions during the construction phase.

Operating Emissions

(If you check any of the boxes, please see the attached worksheet)

- ☐ The project requires energy to operate.
- ☐ The project will generate electricity.
- ☐ The project will proactively manage forests to reduce wildfire risk.
- ☐ The project will affect wetland acreage.
- ☐ The project will include new trees.
- ☐ Project operations are expected to generate or reduce GHG emissions for other reasons.

Adaptation & Resiliency Assessment

Water Supply

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water supply vulnerability issues:

- ☐ Not applicable
- ☐ Reduced snowmelt
- ☐ Unmet local water needs (drought)
- ☐ Increased invasive species

Water Demand

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water demand vulnerability issues:

- ☐ Not applicable
- ☐ Increasing seasonal water use variability
- ☐ Unmet in-stream flow requirements
- ☐ Climate-sensitive crops
- ☐ Groundwater drought resiliency
- ☐ Water curtailment effectiveness

Water Quality

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority water quality vulnerability issues:

- ☐ Not applicable
- ☐ Increasing catastrophic wildfires
- ☐ Eutrophication (excessive nutrient pollution in a waterbody, often followed by algae blooms and other related water quality issues)
- ☐ Seasonal low flows and limited abilities for waterbodies to assimilate pollution
- ☐ Water treatment facility operations
- ☐ Unmet beneficial uses (municipal and domestic water supply, water contact recreation, cold freshwater habitat, spawning habitat, wildlife habitat, etc.)

Flooding

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority flooding vulnerability issues:

- ☐ Not applicable
- ☐ Aging critical flood protection
- ☐ Wildfires
- ☐ Critical infrastructure in a floodplain
- ☐ Insufficient flood control facilities

Ecosystem and Habitat

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority ecosystem and habitat vulnerability issues:

- ☐ Not applicable
- ☐ Climate-sensitive fauna or flora
- ☐ Recreation and economic activity
- ☐ Quantified environmental flow requirements
- ☐ Erosion and sedimentation
- ☐ Endangered or threatened species
- ☐ Fragmented habitat

Hydropower

Describe how the project makes the watershed (more/less) resilient to one or more of the following high priority hydropower vulnerability issues:

- ☐ Not applicable
- ☐ Reduced hydropower output